

ABSTRACT

RADIO INTERFACE LAYER

A Radio Interface Layer (RIL) is disclosed. The RIL comprises an API set
5 which provides a level of abstraction between the radio on a cell phone and
the software of the cell phone. The API set of RIL is roughly based on the
GSM AT interface as defined in GSM specifications 07.05 and 07.07. The
API set provides access to functionality contained within a cellular
telephone, such as a GSM or CDMA compatible telephone. These APIs
10 allow applications running on an operating system in the cellular telephone
to issue commands without knowledge of the underlying radio structure of
the cellular telephone and specific knowledge of the GSM-type commands.
For example, these APIs allow the applications to access to phonebook
entries, restrict access to data and functionality using passwords, access file
15 and message storage, and perform many other functions. The RIL is divided
into a hardware-independent proxy layer, called by various software
components, and a driver layer that is hardware-specific.

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